Department
of
Defense

DoD Transportation Electronic Business (DTEB) Convention

ASC X12 Transaction Set 301 Confirmation (Ocean) (Version 004010)

VERSION 5

May 2019

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of
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CONTENTS

1.0 INTRODUCTION

2.0 CONTROL SEGMENTS

3.0 STANDARD IMPLEMENTATION CONVENTION

4.0 IC ELEMENT MATRIX

5.0 RESERVED

6.0 RESERVED

7.0 RESERVED

8.0 RESERVED

9.0 RESERVED

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Section 1.0

INTRODUCTION

This implementation convention (IC) describes the standard or convention the Department of Defense will use to exchange Confirmation (Ocean) in support of the Defense Transportation Electronic Business (DTEB) program. The copyright on the ASC X12 standards is held by the Data Interchange Standards Association on behalf of ASC X12.

For further information about the DTEB program, contact the following:

United States Transportation Command
TCJ6-RD
508 Scott Drive
Scott Air Force Base, IL 62225-7001

For the most recent publication, go to the World-Wide Web at

https://its.ustranscom.mil/cris/dteb/ic/trans_ics.cfm

[Note: To access the publication, you must have an Information Tool Suite (ITS) account.]

Who Needs to Use This Document?

Computer programmers use this document to identify the data requirements for populating an EDI transaction.

Why Use a Convention?

A convention defines the rules for populating an EDI transaction. Following a convention ensures that trading partners will encounter fewer data quality problems during development and maintenance of EDI systems.

Contents

Additional sections are included in this document.

- Section 2.0, Control Segments, identifies the specific data requirements for formatting the EDI interchange control segments that envelop all EDI transactions.
- Section 3.0, Standard Implementation Convention, lists the layout of the target transaction set by segment and data element. Identified along side each transaction set data element is the IC Element Matrix index number from Section 4.0.
- Section 4.0, IC Element Matrix, identifies the application data elements trading partners need to exchange. Programmers use this section to map an existing application database into the transaction set.
- Section 5.0 , when present, contains an example of the EDI transactions.
- Section 6.0, Application Code Lists, when present, identifies the DoD codes that trading partners need to exchange. This section augments the matrix presented in Section 4.0.
- Other sections may contain examples of hard copy documents, examples of EDI transaction sets, segment looping logic tables, and other items that serve as references for software developers.

What's New In Version 5

Added in Version 5

DM Number	DM Description	Approval Date
1309	Add Additional N9 Segment (Position 054) at proposed index 7 as follows: N9 - Use this segment to indicate Freight Order/Booking Number N901 - FR = TMS Freight Order/Freight Booking Number X12 Definition: FR = Freight Bill Number Usage Note: Use 'FR' to denote TMS Freight Order/Freight Booking Number	5/23/2019

Added in Version 4

DM Number	DM Description	Approval Date
1160	Add a note to the Y303 Scheduled POE Sail Date (Index 11) that states: "When countering, the Sail Date must be the sail date associated with the countered vessel" Add a note to the Y304 Scheduled POD Arrival Date (Index 12) which states: "When countering, the Port of Debarkation POD arrival date must be the date associated with the countered vessel."	12/17/2014
1158	At Index 6 (B102) Shipment Identification Number (PCFN without year) it currently lists the min/max as 1/30. Change the min max to 6/8.	12/15/2014
1155	Change the R4 segment note at index 23 to read: "The information in this Data Segment should be the same as that transmitted in the TS 300 EXCEPT for counter offers. If a counter offer is made for the POE, then the counter POE value should be provided. If the counter offer is made for the POD, then the counter POD should be provided. A counter offer for both POE and POD is NOT allowed. There should be an R4 loop for the POD and POE. Use this segment one time for the POE and one time for the POD."	11/20/2014
1154	In the N901 at index 21 add a code for V3 to denote DOD Voyage Document Number.	11/20/2014

Added in Version 3

DM Number	DM Description	Approval Date
1141	B1 Segment: ADD between Index 6 and 7, Ref B103, Data Element 373, Date. This is an approved X12 data element for this segment and EDI 301, however, is not currently reflected in Section 4.0. In the DoD Information, Data Name Notes and Codes, reflect as Data Name "Reservation Action Date", M, DT, 8/8.	7/8/2014

Added in Version 2

DM Number	DM Description	Approval Date
1126	At index 24 add code 'IM - Military Standard Movement Procedures (MILSTAMP) Location Qualifier' in the R402. Delete current note which appears to be erronous. Add a note to state that MILSTAMP is also known as DOD Water Port Codes. Add note stating the source of the DOD Water Port Codes is TRDM. Add note stating DOD prefers the DOD Water Port Codes be sent vs. the Schedule D or K Census codes.	11/12/2013

Added in Version 1

DM Number	DM Description	Approval Date
1122	Change Section 3.0 Ref. Des. B104 Data Element 558 note from "For code value 'C' a counter proposal can ONLY be made for a change in vessel or a change in port." to read "For code value 'C' a counter proposal can ONLY be made for a change in vessel, port or Required Delivery Date (RDD)." Change Section 4.0 Index 7 note from "For code value 'C' a counter proposal can ONLY be made for a change in vessel or a change in port." to read "For code value 'C' a counter proposal can ONLY be made for a change in vessel, port or Required Delivery Date (RDD)."	9/11/2013

Section 2.0

CONTROL SEGMENTS

Instruction

For detailed description of DoD data conventions for formatting Interchange Control and Functional Group segments for use among Defense Transportation Electronic Business (DTEB) trading partners refer to the DoD Transportation Electronic Business (DTEB) Convention, ASC X12 Control Segments (Version 004010), located at:

https://its.ustranscom.mil/cris/dteb/index.cfm

[Note: To access publication, you must have an ITS account.]

Commercial Trading Partners and DoD personnel that do not hold an ITS account may view the Convention at:
https://www.ustranscom.mil/cmd/associated/dteb/

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Section 3.0

STANDARD IMPLEMENTATION CONVENTION

This section presents the DoD's convention for generating Confirmation (Ocean) using *ASC* X12 Transaction Set 301 Confirmation (Ocean) (Version 004010).

Symbols that appear in the Data Element Summary to the left of each segment reference designator (Ref. Des.) define implementation convention usage for the DoD. These designations may differ from X12 convention attributes appearing in the right-hand column of the Data Element Summary and should be interpreted as follows:

[*blank*] - Segment or data element may be used optionally

M - X12 standards designate mandatory use of segment or data element

>> - Segment or data element is mandatory for DTEB use

X - Segment or data element is not used.

NOTE: Whenever a segment occurs more than once, DoD's actual usage requirement may differ among the instances of segment usage. In all cases, the Data Element Summary will indicate the highest order DoD requirement. In other words, if one or several particular instances for a segment are OPTIONAL but another is MANDATORY, the Data Element Summary will indicate a MANDATORY requirement. A review of the IC layout in Section 4.0 will distinguish among the multiple instances and clarify the usage requirement for each instance.

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301 Confirmation (Ocean)

Functional Group ID=RO

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Confirmation (Ocean) Transaction Set (301) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide all the information necessary for an ocean carrier to confirm space, container, and equipment availability in response to the Reservation (Booking Request) (Ocean) Transaction Set (300); or to notify other parties such as terminal operators or other ocean carriers.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	B1	Beginning Segment for Booking or Pick-up/Delivery	M	1		
Not Used	025	G61	Contact	O	3		
Not Used	030	Y6	Authentication	O	2		
M	040	Y3	Space Confirmation	M	1		
			LOOP ID - Y4			10	
	050	Y4	Container Release	O	1		
	051	W09	Equipment and Temperature	O	1		
	054	N9	Reference Identification	O	100		
Not Used	055	R2A	Route Information with Preference	O	25		
			LOOP ID - N1			4	
Not Used	060	N1	Name	O	1		
Not Used	070	N2	Additional Name Information	O	1		
Not Used	080	N3	Address Information	O	2		
Not Used	090	N4	Geographic Location	O	1		
Not Used	100	G61	Contact	O	3		
			LOOP ID - R4			20	
M	110	R4	Port or Terminal	M	1		
	120	DTM	Date/Time Reference	O	15		
Not Used	130	W09	Equipment and Temperature	O	1		
Not Used	140	H3	Special Handling Instructions	O	6		
Not Used	150	EA	Equipment Attributes	O	5		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - LX			999	
M	010	LX	Assigned Number	M	1		
	020	N7	Equipment Details	O	1		
Not Used	021	W09	Equipment and Temperature	O	1		
	030	K1	Remarks	O	10		
Not Used	040	L0	Line Item - Quantity and Weight	O	1		
Not Used	050	L5	Description, Marks and Numbers	O	1		
Not Used	055	L4	Measurement	O	1		

Not Used	057	L1	Rate and Charges	O	1		
			LOOP ID - H1			10	
Not Used	060	H1	Hazardous Material	O	1		
Not Used	070	H2	Additional Hazardous Material Description	O	10		
	080	V1	Vessel Identification	O	2		
Not Used	090	V9	Event Detail	O	10		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	SE	Transaction Set Trailer	M	1		

Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: **1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:
Notes: [1] ST SEGMENT - Confirmation (Ocean) Header

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set [1-01] Transaction Set Identifier Code 301 Confirmation (Ocean) [1-01] Confirmation (Ocean)	**M ID 3/3**
M	**ST02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set [1-02] Transaction Set Control Number The application and structure of the control number must be agreed upon between trading partners. (For example, some applications use all nine digits where the first five might indicate a group control number and the last four represent the sequence of the transaction set within the functional group. Also, the entire nine digit field may simply represent the sequence of the transaction set generated by a trading partner.)	**M AN 4/9**

Segment: **B1** **Beginning Segment for Booking or Pick-up/Delivery**
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set
Syntax Notes:
Semantic Notes:
1 B101 is the Standard Carrier Alpha Code (SCAC) of the carrier sending the EDI transmission.
2 B103 is the booking date accepted by the carrier.
Comments:
Notes: [2] B1 SEGMENT - Shipment Identification

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**B101**	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code [2-01] Standard Carrier Alpha Code Enter the Ocean Carrier SCAC. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	**O**	**ID 2/4**
M	**B102**	**145**	**Shipment Identification Number** Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters) [2-02] Shipment Identification Number Enter the Port Call File Number (PCFN) without the PCFN year.	**M**	**AN 1/30**
>>	**B103**	**373**	**Date** Date expressed as CCYYMMDD [2-03] Reservation Action Date	**O**	**DT 8/8**
>>	**B104**	**558**	**Reservation Action Code** Code identifying action on reservation or offering [2-04] Reservation Action Code For code value 'C' a counter proposal can ONLY be made for a change in vessel, port or Required Delivery Date (RDD). Use code value 'D' to denote Reservation Declined. A Reservation Accepted [2-04] Reservation Accepted C Counter Proposal Made [2-04] Counter Proposal Made D Reservation Cancelled [2-04] Reservation Cancelled	**O**	**ID 1/1**

Segment: **Y3** **Space Confirmation**
Position: 040
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify confirmation information for space booking including numbers, dates, and load time
Syntax Notes: **1** If Y309 is present, then Y308 is required.
Semantic Notes: **1** Y303 is the date of departure of the vessel.
2 Y304 is the estimated arrival date at the port of discharge.
3 Y307 is the required pier date.
4 Y308 is the load time.
5 Y311 is the time zone which the time reflects.
Comments: **1** If space is available, all of the conditional data elements in segment Y3 are required. If the requested space is not available, Y301 is the booking number 'decline'.
Notes: [3] Y3 SEGMENT - Booking Information

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**Y301**	**13**	**Booking Number** Number assigned by the carrier for space reservation [3-01] Booking Number If the reservation is being declined (i.e., B104 contains code value 'D', then enter the word "Declined" in the Y301.	**M**	**AN 1/17**
X	**Y302**	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code	**O**	**ID 2/4**
>>	**Y303**	**373**	**Date** Date expressed as CCYYMMDD [3-03] Scheduled POE Sail Date Enter the Port of Embarkation (POE) sail date. When countering, the Sail Date must be the sail date associated with the countered vessel.	**O**	**DT 8/8**
>>	**Y304**	**373**	**Date** Date expressed as CCYYMMDD [3-04] Scheduled POD Arrival Date Enter the Port of Debarkation (POD) arrival date. When countering, the Port of Debarkation POD arrival date must be the date associated with the countered vessel.	**O**	**DT 8/8**
X	**Y305**	**154**	**Standard Point Location Code** Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	**O**	**ID 6/9**
X	**Y306**	**112**	**Pier Name** Free-form name of the pier	**O**	**AN 2/14**
X	**Y307**	**373**	**Date** Date expressed as CCYYMMDD	**O**	**DT 8/8**
X	**Y308**	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	**X**	**TM 4/8**
X	**Y309**	**91**	**Transportation Method/Type Code** Code specifying the method or type of transportation for the shipment Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/2**

X	**Y310**	**375**	**Tariff Service Code** Code specifying the types of services for rating purposes Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
X	**Y311**	**623**	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**

Segment: **Y4** **Container Release**
Position: 050
Loop: Y4 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit information relative to containers available for release
Syntax Notes: **1** If either Y408 or Y409 is present, then the other is required.
Semantic Notes: **1** Y401 is used for the first booking number and Y402 for the last booking number in a range of numbers. If only one booking number is used, Y402 is omitted.
2 Y403 is the date of container availability for pickup.
3 Y404 is the Standard Point Location Code (SPLC) of the container pick-up location.
4 Y407 identifies the carrier to whom containers will be released, if known.
Comments:
Notes: [4] Y4 SEGMENT - Shipment Information
LOOP CONDITION: This data segment is only used for containerized cargo. DO NOT USE for Breakbulk cargo.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	**Y401**	**13**	**Booking Number** Number assigned by the carrier for space reservation	**O**	**AN 1/17**
X	**Y402**	**13**	**Booking Number** Number assigned by the carrier for space reservation	**O**	**AN 1/17**
X	**Y403**	**373**	**Date** Date expressed as CCYYMMDD	**O**	**DT 8/8**
X	**Y404**	**154**	**Standard Point Location Code** Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	**O**	**ID 6/9**
>>	**Y405**	**95**	**Number of Containers** Number of shipping containers [4-05] Number of Containers	**O**	**N0 1/4**
>>	**Y406**	**24**	**Equipment Type** Code identifying equipment type [4-06] Equipment Type SOURCE: Identification Marking Code for Freight Containers (ISO 6346-1995) available from American National Standards Institute	**O**	**ID 4/4**
X	**Y407**	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code	**O**	**ID 2/4**
X	**Y408**	**309**	**Location Qualifier** Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 1/2**
X	**Y409**	**310**	**Location Identifier** Code which identifies a specific location	**X**	**AN 1/30**
X	**Y410**	**56**	**Type of Service Code** Code specifying extent of transportation service requested Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**

Segment: **W09** **Equipment and Temperature**
Position: 051
Loop: Y4 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To relate equipment type and required temperatures
Syntax Notes:
1 If either W0902 or W0903 is present, then the other is required.
2 If either W0904 or W0905 is present, then the other is required.
Semantic Notes:
1 W0902 is the minimum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0903).
2 W0904 is the maximum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0905).
3 W0906 is used to describe the environment required within an ocean-type, refrigerated container when other than normal air is required.
4 W0908 is the humidity percentage.
5 W0909 is the number of air exchanges per hour.
Comments:
Notes: [5] W09 SEGMENT - Equipment Description
SEGMENT CONDITION: This segment is used for Reefers only.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**W0901**	**40**	**Equipment Description Code** Code identifying type of equipment used for shipment [5-01] Equipment Description Code CZ Refrigerated Container [5-01] Refrigerated Container	**M**	**ID 2/2**
>>	**W0902**	**408**	**Temperature** Temperature [5-02] Temperature Enter the booked temperature.	**X**	**R 1/4**
>>	**W0903**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken [5-03] Unit or Basis for Measurement Code FA Fahrenheit [5-03] Fahrenheit	**X**	**ID 2/2**
X	**W0904**	**408**	**Temperature** Temperature	**X**	**R 1/4**
X	**W0905**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**
X	**W0906**	**3**	**Free Form Message** Free-form text	**O**	**AN 1/60**
X	**W0907**	**1122**	**Vent Setting Code** Code describing the setting on the air vents on ocean-type containers Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**
X	**W0908**	**488**	**Percent** Percent expressed as 0 to 100	**O**	**N0 1/3**
X	**W0909**	**380**	**Quantity** Numeric value of quantity	**O**	**R 1/15**

Segment: **N9** **Reference Identification**
Position: 054
Loop:
Level: Heading
Usage: Optional
Max Use: 100
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
1 At least one of N902 or N903 is required.
2 If N906 is present, then N905 is required.
3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 N906 reflects the time zone which the time reflects.
2 N907 contains data relating to the value cited in N902.
Comments:
Notes: [6] N9 SEGMENT - Reference Identification
SEGMENT CONDITION: Use this segment as many times as necessary to communicate all the appropriate identification data that is available.
[7] N9 SEGMENT - TMS Freight Order/Freight Booking Number

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification [6-01] Reference Identification Qualifier If B104 contains code value 'D', there will be no voyage number. However if B104 contains code values 'A' or 'C', transmitting a code value 'V3' along with a voyage number is very important. [7-01] TMS Freight Order/Freight Booking Number Qualifier Use 'FR' to denote TMS Freight Order/Freight Booking Number 2E Foreign Military Sales Case Number A reference number designating the foreign military sale records [6-01] Foreign Military Sales Case Number CT Contract Number [6-01] Contract Number FR Freight Bill Number [7-01] Freight Bill Number P4 Project Code [6-01] Project Code TG Transportation Control Number (TCN) [6-01] Transportation Control Number (TCN) TH Transportation Account Code (TAC) [6-01] Transportation Account Code (TAC) V3 Voyage Number [6-01] Voyage Number Y3 Contract Holder Claim Number [6-01] Contract Holder Claim Number	**M ID 2/3**
>>	**N902**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [6-02] Reference Identification Provide reference identification information based on the Reference Identification Qualifier value used in the N901. [7-02] TMS Freight Order/Freight Booking Number	**X AN 1/30**

X	**N903**	**369**	**Free-form Description** Free-form descriptive text	**X**	**AN 1/45**
X	**N904**	**373**	**Date** Date expressed as CCYYMMDD	**O**	**DT 8/8**
X	**N905**	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	**X**	**TM 4/8**
X	**N906**	**623**	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
X	**N907**	**C040**	**Reference Identifier** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	**O**	
X	**C04001**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**M**	**ID 2/3**
X	**C04002**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**M**	**AN 1/30**
X	**C04003**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/3**
X	**C04004**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**
X	**C04005**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/3**
X	**C04006**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**

Segment: **R4** **Port or Terminal**
Position: 110
Loop: R4 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: Contractual or operational port or point relevant to the movement of the cargo
Syntax Notes: **1** If either R402 or R403 is present, then the other is required.
Semantic Notes:
Comments: **1** R4 is required for each port to be identified.
Notes: [8] R4 SEGMENT - Port Identification
The information in this Data Segment should be the same as that transmitted in the TS 300 EXCEPT for counter offers. If a counter offer is made for the POE, then the counter POE value should be provided. If the counter offer is made for the POD, then the counter POD should be provided. A counter offer for both POE and POD is NOT allowed. There should be an R4 loop for the POD and POE. Use this segment one time for the POE and one time for the POD.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**R401**	**115**	**Port or Terminal Function Code** Code defining function performed at the port or terminal with respect to a shipment [8-01] Port or Terminal Function Code Always send code values 'D' or 'L'. D Port of Discharge (Operational) Port at which cargo is unloaded from vessel [8-01] Port of Discharge (Operational) E Place of Delivery (Contractual) Place at which cargo leaves its care and custody of carrier [8-01] Place of Delivery (Contractual) J Bill of Lading Port of Loading (Contractual) Place at which cargo is loaded on board the means of transport [8-01] Bill of Lading Port of Loading (Contractual) K Bill of Lading Port of Discharge (Contractual) Place at which cargo is discharged from means of transport [8-01] Bill of Lading Port of Discharge (Contractual) L Port of Loading (Operational) Port at which cargo is loaded on vessel [8-01] Port of Loading (Operational) R Place of Receipt (Contractual) Place at which cargo enters the care and custody of carrier [8-01] Place of Receipt (Contractual)	**M ID 1/1**
>>	**R402**	**309**	**Location Qualifier** Code identifying type of location [8-02] Location Qualifier Use of DoD Water Port Codes as found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_SEAPORT.htm is preferred. D Census Schedule D [8-02] Census Schedule D	**X ID 1/2**

			IM	Military Standard Movement Procedures (MILSTAMP) [8-02] Military Standard Movement Procedures (MILSTAMP) Use 'IM' to denote DoD Water Port Code		
			K	Census Schedule K [8-02] Census Schedule K		
>>	**R403**	**310**	**Location Identifier** Code which identifies a specific location [8-03] Location Identifier Enter the Port Census Code.		**X**	**AN 1/30**
>>	**R404**	**114**	**Port Name** Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property [8-04] Port Name Enter free-form text of Port Name.		**O**	**AN 2/24**
X	**R405**	**26**	**Country Code** Code identifying the country		**O**	**ID 2/3**
X	**R406**	**174**	**Terminal Name** Free-form field for terminal name		**O**	**AN 2/30**
X	**R407**	**113**	**Pier Number** Identifying number for the pier		**O**	**AN 1/4**
X	**R408**	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency		**O**	**ID 2/2**

Segment: **DTM** **Date/Time Reference**
Position: 120
Loop: R4 Mandatory
Level: Heading
Usage: Optional
Max Use: 15
Purpose: To specify pertinent dates and times
Syntax Notes: **1** At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: [9] DTM SEGMENT - Counter Required Delivery Date
SEGMENT CONDITION: The Counter Required Delivery Date occurs only for the Port of Discharge (R401 contains code value 'D')

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time [9-01] Date/Time Qualifier .Use code value '996' to denote a date, on which or before, ordered goods or services must be delivered. 996 Required Delivery A date on which or before, ordered goods or services must be delivered [9-01] Required Delivery	**M ID 3/3**
>>	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD [9-02] Counter Required Delivery Date Countered Required Delivery Date.	**X DT 8/8**
X	**DTM03**	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	**X TM 4/8**
X	**DTM04**	**623**	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/2**
X	**DTM05**	**1250**	**Date Time Period Format Qualifier** Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/3**
X	**DTM06**	**1251**	**Date Time Period** Expression of a date, a time, or range of dates, times or dates and times	**X AN 1/35**

Segment: **LX** **Assigned Number**
Position: 010
Loop: LX Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:
Notes: [10] LX SEGMENT - Detail Loop

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LX01**	**554**	**Assigned Number** Number assigned for differentiation within a transaction set [10-01] Assigned Number Enter the number one (1). IBS uses the N7 and K1 in the LX loop, which makes the LX segment and LX01 data element mandatory. Entering '1' will serve as a place holder.	**M N0 1/6**

Segment: **N7** **Equipment Details**
Position: 020
Loop: LX Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify the equipment
Syntax Notes:
1 If either N703 or N704 is present, then the other is required.
2 If either N705 or N716 is present, then the other is required.
3 If either N708 or N709 is present, then the other is required.
Semantic Notes:
1 N712 is the owner of the equipment.
2 N723 is the operator or carrier of the rights of the equipment.
Comments:
1 N701 is mandatory for rail transactions.
2 N720 and N721 are expressed in inches.
Notes: [11] N7 SEGMENT - Equipment Description
This data segment is to be used as an exception to the ISO standards in the Y4 segment. SEGMENT CONDITION: Use this segment only when the carrier is loading Breakbulk cargo into a container. This data segment is to be used as an exception to the ISO standards in the Y4 segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**N701**	**206**	**Equipment Initial** Prefix or alphabetic part of an equipment unit's identifying number [11-01] Equipment Initial SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association	**O**	**AN 1/4**
M	**N702**	**207**	**Equipment Number** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) [11-02] Equipment Number Enter the actual number or a value of zero (0).	**M**	**AN 1/10**
X	**N703**	**81**	**Weight** Numeric value of weight	**X**	**R 1/10**
X	**N704**	**187**	**Weight Qualifier** Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 1/2**
X	**N705**	**167**	**Tare Weight** Weight of the equipment	**X**	**N0 3/8**
X	**N706**	**232**	**Weight Allowance** Allowance made for increased weight due to such factors as snow	**O**	**N0 2/6**
X	**N707**	**205**	**Dunnage** Weight of material used to protect lading (even bracings, false floors, etc.)	**O**	**N0 1/6**
X	**N708**	**183**	**Volume** Value of volumetric measure	**X**	**R 1/8**
X	**N709**	**184**	**Volume Unit Qualifier** Code identifying the volume unit Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 1/1**
X	**N710**	**102**	**Ownership Code** Code indicating the relationship of equipment to carrier or ownership of equipment Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**

N711	**40**	**Equipment Description Code**	**O**	**ID 2/2**

Code identifying type of equipment used for shipment

[11-11] Equipment Description Code
Select appropriate packaging code from EDI X12 Draft Version 4 Release 1 Standards, Data Element 40.
ELEMENT CONDITION: If available, data must be sent

20	20 ft. IL Container (Open Top)
	[11-11] 20 ft. IL Container (Open Top)
2B	20 ft. IL Container (Closed Top)
	[11-11] 20 ft. IL Container (Closed Top)
2D	Control Unit
	[11-11] Control Unit
2E	Helper Unit
	[11-11] Helper Unit
2F	Roadrailer
	[11-11] Roadrailer
2G	Cut-in Helper
	[11-11] Cut-in Helper
40	40 ft. IL Container (Open Top)
	[11-11] 40 ft. IL Container (Open Top)
4B	40 ft. IL Container (Closed Top)
	[11-11] 40 ft. IL Container (Closed Top)
AC	Closed Container
	[11-11] Closed Container
AF	Air Freight (Break Bulk)
	[11-11] Air Freight (Break Bulk)
AL	Container, Aluminum
	Container must be made of aluminum
	[11-11] Container, Aluminum
AP	Aircraft
	[11-11] Aircraft
AT	Closed Container (Controlled Temperature)
	[11-11] Closed Container (Controlled Temperature)
BC	Covered Barge
	[11-11] Covered Barge
BE	Bilevel Railcar Fully Open
	[11-11] Bilevel Railcar Fully Open
BF	Bilevel Railcar Fully Enclosed
	[11-11] Bilevel Railcar Fully Enclosed
BG	Bogie
	[11-11] Bogie
BH	Bilevel Railcar Screened With Roof
	[11-11] Bilevel Railcar Screened With Roof
BJ	Bilevel Railcar Screened, No Roof
	[11-11] Bilevel Railcar Screened, No Roof
BK	Container, Bulk
	[11-11] Container, Bulk
BO	Barge Open
	[11-11] Barge Open

BR	Barge
	[11-11] Barge
BX	Boxcar
	[11-11] Boxcar
CA	Caboose
	[11-11] Caboose
CB	Chassis, Gooseneck
	[11-11] Chassis, Gooseneck
CC	Container resting on a Chassis
	[11-11] Container resting on a Chassis
CD	Container with Bag Hangers
	Rings or bars located in upper part of container walls to suspend bulk bags within the ocean container
	[11-11] Container with Bag Hangers
CG	Container, Tank (Gas)
	[11-11] Container, Tank (Gas)
CH	Chassis
	[11-11] Chassis
CI	Container, Insulated
	[11-11] Container, Insulated
CJ	Container, Insulated/Ventilated
	[11-11] Container, Insulated/Ventilated
CK	Container, Heated/Insulated/Ventilated
	[11-11] Container, Heated/Insulated/Ventilated
CL	Container (Closed Top - Length Unspecified)
	[11-11] Container (Closed Top - Length Unspecified)
CM	Container, Open-Sided
	[11-11] Container, Open-Sided
CN	Container
	[11-11] Container
CP	Coil Car Open
	[11-11] Coil Car Open
CQ	Container, Tank (Food Grade-Liquid)
	[11-11] Container, Tank (Food Grade-Liquid)
CR	Coil-Car Covered
	[11-11] Coil-Car Covered
CS	Container-Low Side Open Top
	[11-11] Container-Low Side Open Top
CT	Container-High Side Open Top
	[11-11] Container-High Side Open Top
CU	Container (Open Top - Length Unspecified)
	[11-11] Container (Open Top - Length Unspecified)
CV	Closed Van
	[11-11] Closed Van
CW	Container, Tank (Chemicals)
	[11-11] Container, Tank (Chemicals)
CX	Container, Tank
	[11-11] Container, Tank
CZ	Refrigerated Container
	[11-11] Refrigerated Container

DD	Double-Drop Trailer
	A flatbed with two drop decks
	[11-11] Double-Drop Trailer
DF	Container with Flush Doors
	Container doors must be flush with the inside walls of the ocean-type containers
	[11-11] Container with Flush Doors
DT	Drop Back Trailer
	[11-11] Drop Back Trailer
DX	Boxcar, Damage Free Equipped
	[11-11] Boxcar, Damage Free Equipped
ET	End of Train Device
	[11-11] End of Train Device
FF	Frozen Food Trailer
	[11-11] Frozen Food Trailer
FH	Flat Bed Trailer with Headboards
	[11-11] Flat Bed Trailer with Headboards
FN	Flat Bed Trailer with No Headboards
	[11-11] Flat Bed Trailer with No Headboards
FP	Flatcar With Pedestal
	[11-11] Flatcar With Pedestal
FR	Flat Bed Trailer - Removable Sides
	[11-11] Flat Bed Trailer - Removable Sides
FS	Container with Floor Securing Rings
	Appliances at floor level that can be used to secure cargo
	[11-11] Container with Floor Securing Rings
FT	Flat Bed Trailer
	[11-11] Flat Bed Trailer
FX	Boxcar Cushion Under Frame OF
	[11-11] Boxcar Cushion Under Frame OF
GS	Generator Set
	[11-11] Generator Set
HB	Container with Hangar Bars
	Container must be equipped with hangar beams/bars for garment shipments
	[11-11] Container with Hangar Bars
HC	Hopper Car (Covered)
	[11-11] Hopper Car (Covered)
HO	Hopper Car (Open)
	[11-11] Hopper Car (Open)
HP	Hopper Car (Covered; Pneumatic Discharge)
	[11-11] Hopper Car (Covered; Pneumatic Discharge)
HT	Head of Train Device
	[11-11] Head of Train Device
HV	High Cube Van
	[11-11] High Cube Van
HY	Hydrant-Cart
	Used at large airports with installed distribution systems to make into-plane deliveries; distinguished from other types of fueling vehicles
	[11-11] Hydrant-Cart

ID	Idler Car
	[11-11] Idler Car
IX	Boxcar (Insulated)
	[11-11] Boxcar (Insulated)
LO	Locomotive
	[11-11] Locomotive
LS	Half Height Flat Rack
	[11-11] Half Height Flat Rack
LU	Load/unload Device on Equipment
	[11-11] Load/unload Device on Equipment
NX	Boxcar (Interior Bulkheads)
	[11-11] Boxcar (Interior Bulkheads)
OB	Ocean Vessel (Break Bulk)
	[11-11] Ocean Vessel (Break Bulk)
OT	Open-top/flatbed trailer
	[11-11] Open-top/flatbed trailer
OV	Open Top Van
	[11-11] Open Top Van
PL	Container, Platform
	[11-11] Container, Platform
PP	Power Pack
	A container holding a motor, generator, and fuel tank; used to provide power for refrigerated containers on a double stack train
	[11-11] Power Pack
PT	Protected Trailer
	[11-11] Protected Trailer
PU	Pick-up Truck
	[11-11] Pick-up Truck
RA	Fixed-Rack, Flat-Bed Trailer
	A flatbed trailer with an A-frame
	[11-11] Fixed-Rack, Flat-Bed Trailer
RC	Refrigerated (Reefer) Car
	[11-11] Refrigerated (Reefer) Car
RD	Fixed-Rack, Double Drop Trailer
	A double-drop, flatbed with an A-frame
	[11-11] Fixed-Rack, Double Drop Trailer
RE	Flat Car (End Bulkheads)
	[11-11] Flat Car (End Bulkheads)
RF	Flat Car
	[11-11] Flat Car
RG	Gondola Covered
	[11-11] Gondola Covered
RI	Gondola Car (Covered - Interior Bulkheads)
	[11-11] Gondola Car (Covered - Interior Bulkheads)
RO	Gondola Car (Open)
	[11-11] Gondola Car (Open)
RR	Rail Car
	[11-11] Rail Car

RS	Fixed-Rack, Single-Drop Trailer
	A single-drop, flatbed with an A-frame
	[11-11] Fixed-Rack, Single-Drop Trailer
RT	Controlled Temperature Trailer (Reefer)
	[11-11] Controlled Temperature Trailer (Reefer)
SA	Saddle
	Device to stack containers on a rail car
	[11-11] Saddle
SC	Service Car
	[11-11] Service Car
SD	Single-Drop Trailer
	A flatbed trailer with one drop deck
	[11-11] Single-Drop Trailer
SK	Stack Car
	[11-11] Stack Car
SL	Container, Steel
	Container must be made of steel
	[11-11] Container, Steel
SR	STAK-RAK
	A device upon which empty chassis may be stacked for movement "en bloc" on a railcar, stack train, trailer, or water-borne vessel
	[11-11] STAK-RAK
SS	Container with Smooth Sides
	Walls in ocean container must be flat/smooth
	[11-11] Container with Smooth Sides
ST	Removable Side Trailer
	[11-11] Removable Side Trailer
SV	Van - Special Inside Length, Width or Height Requirements
	[11-11] Van - Special Inside Length, Width or Height Requirements
TA	Trailer, Heated/Insulated/Ventilated
	[11-11] Trailer, Heated/Insulated/Ventilated
TB	Trailer, Boat
	[11-11] Trailer, Boat
TC	Trailer, Car
	[11-11] Trailer, Car
TF	Trailer, Dry Freight
	[11-11] Trailer, Dry Freight
TG	Trailer, Tank (Gas)
	[11-11] Trailer, Tank (Gas)
TH	Truck, Open Top High Side
	[11-11] Truck, Open Top High Side
TI	Trailer, Insulated
	[11-11] Trailer, Insulated
TJ	Trailer, Tank (Chemicals)
	[11-11] Trailer, Tank (Chemicals)
TK	Trailer, Tank (Food Grade-Liquid)
	[11-11] Trailer, Tank (Food Grade-Liquid)

TL	Trailer (not otherwise specified)
	[11-11] Trailer (not otherwise specified)
TM	Trailer, Insulated/Ventilated
	[11-11] Trailer, Insulated/Ventilated
TN	Tank Car
	[11-11] Tank Car
TO	Truck, Open Top
	[11-11] Truck, Open Top
TP	Trailer, Pneumatic
	A specialized trailer with a pneumatic device for loading or unloading
	[11-11] Trailer, Pneumatic
TQ	Trailer, Electric Heat
	A trailer with electric heat to keep product from freezing
	[11-11] Trailer, Electric Heat
TR	Tractor
	[11-11] Tractor
TT	Telescoping Trailer
	[11-11] Telescoping Trailer
TU	Truck, Open Top Low Side
	[11-11] Truck, Open Top Low Side
TV	Truck, Van
	[11-11] Truck, Van
TW	Trailer, Refrigerated
	A refrigerated trailer capable of keeping product cold. Different from a temperature controlled trailer which is able to keep product at a constant temperature
	[11-11] Trailer, Refrigerated
UA	Trilevel Railcar 20 Feet
	[11-11] Trilevel Railcar 20 Feet
UB	Trilevel Railcar Screened, Fully Enclosed
	[11-11] Trilevel Railcar Screened, Fully Enclosed
UC	Trilevel Railcar Screened, With Roof
	[11-11] Trilevel Railcar Screened, With Roof
UD	Trilevel Railcar Screened, No Roof
	[11-11] Trilevel Railcar Screened, No Roof
UE	Trilevel Railcar Screened, With Doors, No Roof
	[11-11] Trilevel Railcar Screened, With Doors, No Roof
UL	Unit Load Device (ULD)
	[11-11] Unit Load Device (ULD)
UP	Container, Upgraded
	Container must be upgraded for higher weights
	[11-11] Container, Upgraded
VA	Container, Vented
	Dry container must have vent openings for air exchange
	[11-11] Container, Vented
VE	Vessel, Ocean
	[11-11] Vessel, Ocean
VL	Vessel, Lake
	[11-11] Vessel, Lake
VR	Vessel, Ocean, Rollon-Rolloff
	[11-11] Vessel, Ocean, Rollon-Rolloff

			VS	Vessel, Ocean, Lash	
				[11-11] Vessel, Ocean, Lash	
			VT	Vessel, Ocean, Containership	
				[11-11] Vessel, Ocean, Containership	
			WR	Container with Wavy or Ripple Sides	
				Walls must be wavy or ripple type	
				[11-11] Container with Wavy or Ripple Sides	
			WY	Railroad Maintenance of Way Car	
				[11-11] Railroad Maintenance of Way Car	
X	**N712**	**140**	**Standard Carrier Alpha Code**	**O**	**ID 2/4**
			Standard Carrier Alpha Code		
X	**N713**	**319**	**Temperature Control**	**O**	**AN 3/6**
			Free-form abbreviation of temperature range or flash-point temperature		
X	**N714**	**219**	**Position**	**O**	**AN 1/3**
			Relative position of shipment in car, trailer, or container (mutually defined)		
>>	**N715**	**567**	**Equipment Length**	**O**	**N0 4/5**
			Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)		
			[11-15] Equipment Length Length (in feet and inches) of equipment ordered or used to transport shipment. (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11.)		
X	**N716**	**571**	**Tare Qualifier Code**	**X**	**ID 1/1**
			Code identifying the type of tare Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N717**	**188**	**Weight Unit Code**	**O**	**ID 1/1**
			Code specifying the weight unit Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N718**	**761**	**Equipment Number Check Digit**	**O**	**N0 1/1**
			Number which designates the check digit applied to a piece of equipment		
X	**N719**	**56**	**Type of Service Code**	**O**	**ID 2/2**
			Code specifying extent of transportation service requested Refer to 004010 Data Element Dictionary for acceptable code values.		
	N720	**65**	**Height**	**O**	**R 1/8**
			Vertical dimension of an object measured when the object is in the upright position		
			[11-20] Height Height (expressed as a real number) of equipment ordered or used to transport shipment. Include measurement of chassis if container is being loaded via RORO. ELEMENT CONDITION: If available, data must be sent		
X	**N721**	**189**	**Width**	**O**	**R 1/8**
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position		
X	**N722**	**24**	**Equipment Type**	**O**	**ID 4/4**
			Code identifying equipment type		
X	**N723**	**140**	**Standard Carrier Alpha Code**	**O**	**ID 2/4**
			Standard Carrier Alpha Code		
X	**N724**	**301**	**Car Type Code**	**O**	**ID 1/4**
			Code specifying type of rail car or intermodal equipment type and its general characteristics		

Segment: **K1** **Remarks**
Position: 030
Loop: LX Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To transmit information in a free-form format for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments:
Notes: [12] K1 SEGMENT - Message
SEGMENT CONDITION: Use this K1 Segment as many times as necessary to communicate all the appropriate information that is available.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**K101**	**61**	**Free-Form Message** Free-form information [12-01] Free-Form Message Enter free-form text message.	**M**	**AN 1/30**
	K102	**61**	**Free-Form Message** Free-form information [12-02] Free-Form Message ELEMENT CONDITION: Use this element if there is more text than will fit in K101 (i.e., > 30 characters).	**O**	**AN 1/30**

Segment: **V1** **Vessel Identification**
Position: 080
Loop:
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To provide vessel details and voyage number
Syntax Notes: **1** At least one of V101 or V102 is required.
2 If V108 is present, then V101 is required.
Semantic Notes: **1** V103 is the code identifying the country in which the ship (vessel) is registered.
2 V105 identifies the ocean carrier.
Comments:
Notes: [13] V1 SEGMENT - Vessel Identification
Use only one occurrence of the V1 with this IC.
SEGMENT CONDITION: If vessel information is available, use only one occurrence of this V1 Segment with this IC.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**V101**	**597**	**Vessel Code** Code identifying vessel [13-01] Vessel Code Enter the International Radio Call Sign (IRCS) or Lloydýs Hull Number as indicated in the V108 that follows. If the following V108 contains 'Z', enter 'ZZ' here. SOURCE: Lloyd's Register of Shipping	**X**	**ID 1/8**
	V102	**182**	**Vessel Name** Name of ship as documented in "Lloyd's Register of Ships" [13-02] Vessel Name ELEMENT CONDITION: If available, data must be sent SOURCE: Lloyd's Register of Shipping	**X**	**AN 2/28**
	V103	**26**	**Country Code** Code identifying the country [13-03] Country Code ELEMENT CONDITION: Enter the ISO 3166 code identifying the country where the vessel is registered. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	**O**	**ID 2/3**
>>	**V104**	**55**	**Flight/Voyage Number** Identifying designator for the particular flight or voyage on which the cargo travels [13-04] Carrier Voyage Number Enter the commercial voyage number.	**O**	**AN 2/10**
	V105	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code [13-05] Standard Carrier Alpha Code Enter the operator SCAC. ELEMENT CONDITION: If available, data must be sent SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	**O**	**ID 2/4**

X	**V106**	**249**	**Vessel Requirement Code**	**O**	**ID 1/1**
			Code specifying options for satisfying vessel requirements Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**V107**	**854**	**Vessel Type Code**	**O**	**ID 2/2**
			Code to determine type of vessel Refer to 004010 Data Element Dictionary for acceptable code values.		
	V108	**897**	**Vessel Code Qualifier**	**O**	**ID 1/1**
			Code specifying vessel code source [13-08] Vessel Code Qualifier Enter code value 'Z' if neither the Radio Call Sign nor Lloyd's Hull Number is known. ELEMENT CONDITION: If available, data must be sent		
			C Ship's Radio Call Signal [13-08] Ship's Radio Call Signal		
			L Lloyd's Register of Shipping [13-08] Lloyd's Register of Shipping		
			Z Mutually Defined [13-08] Mutually Defined		
X	**V109**	**91**	**Transportation Method/Type Code**	**O**	**ID 1/2**
			Code specifying the method or type of transportation for the shipment Refer to 004010 Data Element Dictionary for acceptable code values.		

Segment: **SE** **Transaction Set Trailer**
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Semantic Notes:
Comments: **1** SE is the last segment of each transaction set.
Notes: [14] SE SEGMENT - Confirmation (Ocean) Trailer

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments [14-01] Number of Included Segments Total segments in this transaction set including the ST and SE segments.	**M N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set [14-02] Transaction Set Control Number This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.	**M AN 4/9**

Section 4.0

IC ELEMENT MATRIX

OVERVIEW

In order to implement an EDI transaction set, trading partners need to identify the application data elements they plan to exchange, identify where they plan to carry the data within the structure of the EDI transaction (a task commonly called mapping), identify any additional X12 data such as qualifier codes, and publish that information in an implementation convention (IC). This section contains an IC element matrix that lists that information.

PURPOSE

Using the IC element matrix will expedite mapping of an application database into a commercial EDI translation package. This IC element matrix applies to a specific application database, which is described in the Application Notes section below.

HOW TO READ THE IC ELEMENT MATRIX

To read the matrix, trading partners need to understand matrix record types, two categories of matrix information, the matrix layout, and the sort order of the matrix.

Record Types

The matrix contains two types of records: segment header records and element records.

- Segment header records begin the description of a segment. Each segment header record starts the description of a discrete occurrence of an X12 segment. The element records (see below) that follow a segment header record cannot be co-mingled with elements from other segments, including those segments with matching IDs.
- Element records identify an individual data element that occurs within a segment. Each element satisfies either an application requirement or X12 standard syntax. If one element in a segment is passed, all elements in the segment need to be passed in accordance with the IC requirement designator.

Two Categories of Record Information

The matrix contains two categories of information: IC application information and *ASC* X12 information.

- IC application information describes attributes outside the structure and syntax of the *ASC* X12 standard.
- *ASC* X12 information is attached to each IC element. That information is extracted directly from the X12 standard dictionary and enables programmers to map the IC element into the standards.

Matrix Layout

The IC element matrix lists information in sixteen columns.

- IC Index Number (Index) enables designers and programmers to quickly cite a record in the matrix.
- IC Data Group Number (DG) is a number assigned by the IC developers. That number identifies an IC element with a group of elements that form a database table within the application data model. In order to quickly reference a table, Defense transportation developers label database tables with a Data Group number. For example, a “Bill To Address” may belong to the “PURCHASE ORDER” parent table with GRP = 10. A “Stop-off Delivery Address” may belong to the “ITEM DELIVERY” child table with GRP = 60. GRP = 0 means Data Group values have not been assigned.
- IC Data Element Name (Data Name) is a label for each data element using terminology common to the business environment. The IC element matrix identifies an element as a “Route Order Number Qualifier.” This is more concise than using the generic X12 label of “Qualifier.” A segment header record identifies the segment ID in this field.
- IC Notes & Codes (DoD Information Notes and Codes) can contain application notes about various segment and element conditions or requirements. This column may also list both X12 standard codes and DoD unique codes. If the list is larger than 20 codes, it may appear in the section that contains Code Lists.
- IC Attributes (Attributes). When part of a segment header record, this column indicates the usage of the segment. When part of an element record, this column indicates the usage of the element within the segment, if the segment is used. Attributes may differ from those in the *ASC* X12 standard. For example, if trading partners expect to exchange a purchase order number that has a specific length and structure, those attributes are described here. Attributes include requirement designator, data element type, minimum length and maximum length.
- X12 Transaction Set Table Number (Tabl).
- X12 Segment Position (Pos).
- X12 Requirement Designator (Req Des) . This column applies only to Segment Header type matrix records.
- X12 Maximum Usage (Max Use). This column applies only to Segment Header type matrix records.
- X12 Loop Repeat (Lp Rpt) indicates the number of times a loop may be used. This column applies only to Segment Header type matrix records.
- X12 Loop Level (Lp Lv). Loops may be nested within other loops. This column indicates the nesting level for each loop and applies only to Segment Header type matrix records.
- X12 Loop ID (Lp ID). This column applies only to Segment Header type matrix records.
- X12 Segment Reference Designator (Ref Des) . This column applies only to Element type matrix records.
- X12 Simple or Composite Data Element Number (DE#). This column applies only to Element type matrix records.

- X12 Simple Data Element Attributes (Attributes). Attributes listed include the data element requirement designator, data element type, minimum length and maximum length. This column applies only to Element type matrix records.
- X12 Composite Data Element Attributes ((Composite) Attributes) . Attributes listed include the simple data element number, requirement designator, data element type, minimum length and maximum length. This column applies only to Element type matrix records.

Sort Order of the Matrix

The matrix presents IC elements in an order that enables programmers to generate application-to-translator interface files (also known as user-defined files or UDFs) that are syntactically correct to *ASC* X12 standards. IC elements are grouped under segment header records. When exchanging an IC element, the programmer needs to generate the entire segment under which the element is listed. Likewise, when exchanging a segment, the programmer needs to generate the entire loop structure to which the segment belongs.

APPLICATION NOTES

The IC element matrix in this section maps data requirements for the Confirmation (Ocean) into the *ASC* X12 Transaction Set 301 Confirmation (Ocean). Transportation activities involved in the DoD electronic data interchange effort developed these requirements.

This IC includes all changes approved by the DTEDI Committee and described in DTEDI data maintenance (DM) items up to the publication date of the IC.

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
1		**ST SEGMENT - Confirmation (Ocean) Header**	M			1	010	M	1								
1-01		Transaction Set Identifier Code 301 - Confirmation (Ocean)	M	ID	3/3	1	010	M	1				ST01	143	M	ID	3/3
1-02		Transaction Set Control Number The application and structure of the control number must be agreed upon between trading partners. (For example, some applications use all nine digits where the first five might indicate a group control number and the last four represent the sequence of the transaction set within the functional group. Also, the entire nine digit field may simply represent the sequence of the transaction set generated by a trading partner.)	M	AN	4/9	1	010	M	1				ST02	329	M	AN	4/9
2		**B1 SEGMENT - Shipment Identification**	M			1	020	M	1								
2-01		Standard Carrier Alpha Code Enter the Ocean Carrier SCAC. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	M	ID	2/4	1	020 B101 is the Standard Carrier Alpha Code (SCAC) of the carrier sending the EDI transmission.	M	1				B101	140	O	ID	2/4
2-02		Shipment Identification Number Enter the Port Call File Number (PCFN) without the PCFN year.	M	AN	6/8	1	020	M	1				B102	145	M	AN	1/30
2-03		Reservation Action Date	M	DT	8/8	1	020 B103 is the booking date accepted by the carrier.	M	1				B103	373	O	DT	8/8
2-04		Reservation Action Code For code value 'C' a counter proposal can ONLY be made for a change in vessel, port or Required Delivery Date (RDD). Use code value 'D' to denote Reservation Declined. A - Reservation Accepted C - Counter Proposal Made D - Reservation Cancelled	M	ID	1/1	1	020	M	1				B104	558	O	ID	1/1
3		**Y3 SEGMENT - Booking Information**	M			1	040 If Y309 is present, then Y308 is required.	M	1								
3-01		Booking Number If the reservation is being declined (i.e., B104 contains code value 'D', then enter the word "Declined" in the Y301.	M	AN	1/17	1	040 If space is available, all of the conditional data elements in segment Y3 are required. If the requested space is not available, Y301 is the booking number 'decline'.	M	1				Y301	13	M	AN	1/17
3-03		Scheduled POE Sail Date Enter the Port of Embarkation (POE) sail date. When countering, the Sail Date must be the sail date associated with the countered vessel.	M	DT	8/8	1	040 Y303 is the date of departure of the vessel.	M	1				Y303	373	O	DT	8/8

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
3-04		Scheduled POD Arrival Date	M	DT	8/8	1	040	M	1				Y304	373	O	DT	8/8
		Enter the Port of Debarkation (POD) arrival date. When countering, the Port of Debarkation POD arrival date must be the date associated with the countered vessel.					Y304 is the estimated arrival date at the port of discharge.										
4		**Y4 SEGMENT - Shipment Information**	C			1	050	O	1	10	1	Y4					
		LOOP CONDITION: This data segment is only used for containerized cargo. DO NOT USE for Breakbulk cargo.					If either Y408 or Y409 is present, then the other is required.										
4-05		Number of Containers	M	N0	1/4	1	050	O	1	10	1	Y4	Y405	95	O	N0	1/4
4-06		Equipment Type	M	ID	4/4	1	050	O	1	10	1	Y4	Y406	24	O	ID	4/4
		SOURCE: Identification Marking Code for Freight Containers (ISO 6346-1995) available from American National Standards Institute															
5		**W09 SEGMENT - Equipment Description**	C			1	051	O	1	10	1	Y4					
		SEGMENT CONDITION: This segment is used for Reefers only.					If either W0902 or W0903 is present, then the other is required. If either W0904 or W0905 is present, then the other is required.										
5-01		Equipment Description Code	M	ID	2/2	1	051	O	1	10	1	Y4	W0901	40	M	ID	2/2
		CZ - Refrigerated Container															
5-02		Temperature	M	R	1/4	1	051	O	1	10	1	Y4	W0902	408	C	R	1/4
		Enter the booked temperature.					W0902 is the minimum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0903).										
5-03		Unit or Basis for Measurement Code	M	ID	2/2	1	051	O	1	10	1	Y4	W0903	355	C	ID	2/2
		FA - Fahrenheit															
6		**N9 SEGMENT - Reference Identification**	C			1	054	O	100								
		SEGMENT CONDITION: Use this segment as many times as necessary to communicate all the appropriate identification data that is available.					At least one of N902 or N903 is required. If N906 is present, then N905 is required.										

DoD INFORMATION							X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes				Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
6-01		Reference Identification Qualifier	M	ID	2/3		1	054	O	100				N901	128	M	ID	2/3
		If B104 contains code value 'D', there will be no voyage number. However if B104 contains code values 'A' or 'C', transmitting a code value 'V3' along with a voyage number is very important. 2E - Foreign Military Sales Case Number CT - Contract Number P4 - Project Code TG - Transportation Control Number (TCN) TH - Transportation Account Code (TAC) V3 - Voyage Number Y3 - Contract Holder Claim Number																
6-02		Reference Identification	M	AN	1/30		1	054	O	100				N902	127	C	AN	1/30
		Provide reference identification information based on the Reference Identification Qualifier value used in the N901.																
7		**N9 SEGMENT - TMS Freight Order/Freight Booking Number**	C				1	054	O	100								
								At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
7-01		TMS Freight Order/Freight Booking Number Qualifier	M	ID	2/3		1	054	O	100				N901	128	M	ID	2/3
		Use 'FR' to denote TMS Freight Order/Freight Booking Number FR - Freight Bill Number																
7-02		TMS Freight Order/Freight Booking Number	M	AN	1/30		1	054	O	100				N902	127	C	AN	1/30
8		**R4 SEGMENT - Port Identification**	M				1	110	M	1	20	1	R4					
		The information in this Data Segment should be the same as that transmitted in the TS 300 EXCEPT for counter offers. If a counter offer is made for the POE, then the counter POE value should be provided. If the counter offer is made for the POD, then the counter POD should be provided. A counter offer for both POE and POD is NOT allowed. There should be an R4 loop for the POD and POE. Use this segment one time for the POE and one time for the POD.						If either R402 or R403 is present, then the other is required. R4 is required for each port to be identified.										

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
8-01		Port or Terminal Function Code Always send code values 'D' or 'L'. D - Port of Discharge (Operational) E - Place of Delivery (Contractual) J - Bill of Lading Port of Loading (Contractual) K - Bill of Lading Port of Discharge (Contractual) L - Port of Loading (Operational) R - Place of Receipt (Contractual)	M	ID	1/1	1	110	M	1	20	1	R4	R401	115	M	ID	1/1
8-02		Location Qualifier Use of DoD Water Port Codes as found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_SEAPORT.htm is preferred. D - Census Schedule D IM - Military Standard Movement Procedures (MILSTAMP) *Use 'IM' to denote DoD Water Port Code.* K - Census Schedule K	M	ID	1/2	1	110	M	1	20	1	R4	R402	309	C	ID	1/2
8-03		Location Identifier Enter the Port Census Code.	M	AN	3/5	1	110	M	1	20	1	R4	R403	310	C	AN	1/30
8-04		Port Name Enter free-form text of Port Name.	M	AN	2/24	1	110	M	1	20	1	R4	R404	114	O	AN	2/24
9		**DTM SEGMENT - Counter Required Delivery Date** SEGMENT CONDITION: The Counter Required Delivery Date occurs only for the Port of Discharge (R401 contains code value 'D')	C			1	120	O	15	20	1	R4					
							At least one of DTM02, DTM03, or DTM05 is required. If DTM04 is present, then DTM03 is required. If either DTM05 or DTM06 is present, then the other is required.										
9-01		Date/Time Qualifier .Use code value '996' to denote a date, on which or before, ordered goods or services must be delivered. 996 - Required Delivery	M	ID	3/3	1	120	O	15	20	1	R4	DTM01	374	M	ID	3/3
9-02		Counter Required Delivery Date Countered Required Delivery Date.	M	DT	8/8	1	120	O	15	20	1	R4	DTM02	373	C	DT	8/8
10		**LX SEGMENT - Detail Loop**	M			2	010	M	1	999	1	LX					

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
10-01		Assigned Number	M	N0	1/6	2	010	M	1	999	1	LX	LX01	554	M	N0	1/6
		Enter the number one (1). IBS uses the N7 and K1 in the LX loop, which makes the LX segment and LX01 data element mandatory. Entering '1' will serve as a place holder.															
11		**N7 SEGMENT - Equipment Description**	C			2	020	O	1	999	1	LX					
		SEGMENT CONDITION: Use this segment only when the carrier is loading Breakbulk cargo into a container. This data segment is to be used as an exception to the ISO standards in the Y4 segment. This data segment is to be used as an exception to the ISO standards in the Y4 segment.					If either N703 or N704 is present, then the other is required. If either N705 or N716 is present, then the other is required. If either N708 or N709 is present, then the other is required.										
11-01		Equipment Initial	M	AN	1/4	2	020	O	1	999	1	LX	N701	206	O	AN	1/4
		SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association					N701 is mandatory for rail transactions.										
11-02		Equipment Number	M	AN	1/10	2	020	O	1	999	1	LX	N702	207	M	AN	1/10
		Enter the actual number or a value of zero (0).															
11-11		Equipment Description Code	C	ID	2/2	2	020	O	1	999	1	LX	N711	40	O	ID	2/2
		Select appropriate packaging code from EDI X12 Draft Version 4 Release 1 Standards, Data Element 40. ELEMENT CONDITION: If available, data must be sent See Section 6 for list of data values.															
11-15		Equipment Length	M	N0	4/5	2	020	O	1	999	1	LX	N715	567	O	N0	4/5
		Length (in feet and inches) of equipment ordered or used to transport shipment. (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11.)															
11-20		Height	C	R	1/8	2	020	O	1	999	1	LX	N720	65	O	R	1/8
		Height (expressed as a real number) of equipment ordered or used to transport shipment. Include measurement of chassis if container is being loaded via RORO. ELEMENT CONDITION: If available, data must be sent					N720 and N721 are expressed in inches.										
12		**K1 SEGMENT - Message**	C			2	030	O	10	999	1	LX					
		SEGMENT CONDITION: Use this K1 Segment as many times as necessary to communicate all the appropriate information that is available.															
12-01		Free-Form Message	M	AN	1/30	2	030	O	10	999	1	LX	K101	61	M	AN	1/30
		Enter free-form text message.															

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
12-02		Free-Form Message ELEMENT CONDITION: Use this element if there is more text than will fit in K101 (i.e., > 30 characters).	C	AN	1/30	2	030	O	10	999	1	LX	K102	61	O	AN	1/30
13		**V1 SEGMENT - Vessel Identification** SEGMENT CONDITION: If vessel information is available, use only one occurrence of this V1 Segment with this IC. Use only one occurrence of the V1 with this IC.	C			2	080	O	2								
							At least one of V101 or V102 is required. If V108 is present, then V101 is required.										
13-01		Vessel Code Enter the International Radio Call Sign (IRCS) or Lloydýs Hull Number as indicated in the V108 that follows. If the following V108 contains 'Z', enter 'ZZ' here. SOURCE: Lloyd's Register of Shipping	M	ID	2/8	2	080	O	2				V101	597	C	ID	1/8
13-02		Vessel Name ELEMENT CONDITION: If available, data must be sent SOURCE: Lloyd's Register of Shipping	C	AN	2/28	2	080	O	2				V102	182	C	AN	2/28
13-03		Country Code ELEMENT CONDITION: Enter the ISO 3166 code identifying the country where the vessel is registered. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C	ID	2/3	2	080	O	2				V103	26	O	ID	2/3
							V103 is the code identifying the country in which the ship (vessel) is registered.										
13-04		Carrier Voyage Number Enter the commercial voyage number.	M	AN	2/10	2	080	O	2				V104	55	O	AN	2/10
13-05		Standard Carrier Alpha Code Enter the operator SCAC. ELEMENT CONDITION: If available, data must be sent SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	C	ID	2/4	2	080	O	2				V105	140	O	ID	2/4
							V105 identifies the ocean carrier.										

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
13-08		Vessel Code Qualifier Enter code value 'Z' if neither the Radio Call Sign nor Lloyd's Hull Number is known. ELEMENT CONDITION: If available, data must be sent C - Ship's Radio Call Signal L - Lloyd's Register of Shipping Z - Mutually Defined	C	ID	1/1	2	080	O	2				V108	897	O	ID	1/1
14		**SE SEGMENT - Confirmation (Ocean) Trailer**	M			3	010	M	1								
							SE is the last segment of each transaction set.										
14-01		Number of Included Segments Total segments in this transaction set including the ST and SE segments.	M	N0	1/10	3	010	M	1				SE01	96	M	N0	1/10
14-02		Transaction Set Control Number This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.	M	AN	4/9	3	010	M	1				SE02	329	M	AN	4/9

Section 6.0

APPLICATION CODE LISTS

11-11 -- Equipment Description Code

Data Value - Definition
20 - 20 ft. IL Container (Open Top)
2B - 20 ft. IL Container (Closed Top)
2D - Control Unit
2E - Helper Unit
2F - Roadrailer
2G - Cut-in Helper
40 - 40 ft. IL Container (Open Top)
4B - 40 ft. IL Container (Closed Top)
AC - Closed Container
AF - Air Freight (Break Bulk)
AL - Container, Aluminum
AP - Aircraft
AT - Closed Container (Controlled Temperature)
BC - Covered Barge
BE - Bilevel Railcar Fully Open
BF - Bilevel Railcar Fully Enclosed
BG - Bogie
BH - Bilevel Railcar Screened With Roof
BJ - Bilevel Railcar Screened, No Roof
BK - Container, Bulk
BO - Barge Open
BR - Barge
BX - Boxcar
CA - Caboose
CB - Chassis, Gooseneck
CC - Container resting on a Chassis
CD - Container with Bag Hangers
CG - Container, Tank (Gas)
CH - Chassis
CI - Container, Insulated
CJ - Container, Insulated/Ventilated
CK - Container, Heated/Insulated/Ventilated
CL - Container (Closed Top - Length Unspecified)
CM - Container, Open-Sided
CN - Container
CP - Coil Car Open
CQ - Container, Tank (Food Grade-Liquid)
CR - Coil-Car Covered
CS - Container-Low Side Open Top
CT - Container-High Side Open Top
CU - Container (Open Top - Length Unspecified)
CV - Closed Van
CW - Container, Tank (Chemicals)
CX - Container, Tank
CZ - Refrigerated Container
DD - Double-Drop Trailer
DF - Container with Flush Doors
DT - Drop Back Trailer
DX - Boxcar, Damage Free Equipped
ET - End of Train Device
FF - Frozen Food Trailer
FH - Flat Bed Trailer with Headboards
FN - Flat Bed Trailer with No Headboards
FP - Flatcar With Pedestal
FR - Flat Bed Trailer - Removable Sides
FS - Container with Floor Securing Rings
FT - Flat Bed Trailer
FX - Boxcar Cushion Under Frame OF
GS - Generator Set
HB - Container with Hangar Bars
HC - Hopper Car (Covered)
HO - Hopper Car (Open)
HP - Hopper Car (Covered; Pneumatic Discharge)
HT - Head of Train Device
HV - High Cube Van
HY - Hydrant-Cart
ID - Idler Car
IX - Boxcar (Insulated)
LO - Locomotive
LS - Half Height Flat Rack
LU - Load/unload Device on Equipment
NX - Boxcar (Interior Bulkheads)
OB - Ocean Vessel (Break Bulk)
OT - Open-top/flatbed trailer
OV - Open Top Van
PL - Container, Platform
PP - Power Pack
PT - Protected Trailer

11-11 -- Equipment Description Code (CONT)

Data Value - Definition
PU - Pick-up Truck
RA - Fixed-Rack, Flat-Bed Trailer
RC - Refrigerated (Reefer) Car
RD - Fixed-Rack, Double Drop Trailer
RE - Flat Car (End Bulkheads)
RF - Flat Car
RG - Gondola Covered
RI - Gondola Car (Covered - Interior Bulkheads)
RO - Gondola Car (Open)
RR - Rail Car
RS - Fixed-Rack, Single-Drop Trailer
RT - Controlled Temperature Trailer (Reefer)
SA - Saddle
SC - Service Car
SD - Single-Drop Trailer
SK - Stack Car
SL - Container, Steel
SR - STAK-RAK
SS - Container with Smooth Sides
ST - Removable Side Trailer
SV - Van - Special Inside Length, Width or Height Requirements
TA - Trailer, Heated/Insulated/Ventilated
TB - Trailer, Boat
TC - Trailer, Car
TF - Trailer, Dry Freight
TG - Trailer, Tank (Gas)
TH - Truck, Open Top High Side
TI - Trailer, Insulated
TJ - Trailer, Tank (Chemicals)
TK - Trailer, Tank (Food Grade-Liquid)
TL - Trailer (not otherwise specified)
TM - Trailer, Insulated/Ventilated
TN - Tank Car
TO - Truck, Open Top
TP - Trailer, Pneumatic
TQ - Trailer, Electric Heat
TR - Tractor
TT - Telescoping Trailer
TU - Truck, Open Top Low Side
TV - Truck, Van
TW - Trailer, Refrigerated
UA - Trilevel Railcar 20 Feet
UB - Trilevel Railcar Screened, Fully Enclosed
UC - Trilevel Railcar Screened, With Roof
UD - Trilevel Railcar Screened, No Roof
UE - Trilevel Railcar Screened, With Doors, No Roof
UL - Unit Load Device (ULD)
UP - Container, Upgraded
VA - Container, Vented
VE - Vessel, Ocean
VL - Vessel, Lake
VR - Vessel, Ocean, Rollon-Rolloff
VS - Vessel, Ocean, Lash
VT - Vessel, Ocean, Containership
WR - Container with Wavy or Ripple Sides
WY - Railroad Maintenance of Way Car